

16272200 KAMOOALII STREAM BELOW LULUKU STREAM NEAR KANEOHE

LOCATION.--Lat 21°23'47", long 157°48'23", Old Hawaiian Datum, Hydrologic Unit 20060000, on left bank 300 ft downstream from Luluku Stream, 1.0 mi southwest of Castle High School, and 1.9 mi northwest of the intersection of State Highways 61 and 83.

DRAINAGE AREA.--3.81 mi².

PERIOD OF RECORD.--November 1976 to current year.

REVISED RECORDS.--WDR HI-92-1: 1991(M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 116.39 ft above mean sea level (levels by Corps of Engineers).

REMARKS.--Records computed by R. Taogoshi. Records good. Flow regulated by a flood-control dam upstream.

AVERAGE DISCHARGE.--27 years (water years 1977-2004), 10.2 ft³/s (7,410 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,760 ft³/s, January 25, 1996, gage height, 5.72 ft, from rating curve extended above 200 ft³/s; minimum, 0.22 ft³/s, September 25-26, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 360 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)		Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Nov 29	1600	*652	*4.24		Feb 27	1530	626	4.18
	Dec 7	1600	440	3.71		Aug 4	0630	379	3.53
	Jan 2	1900	488	3.84					

Minimum daily discharge, 2.1 ft³/s, Nov. 6, result of maintenance work on dock upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.3	60	41	16	29	21	16	15	12	9.0	9.5
2	3.6	4.0	27	158	14	55	21	15	15	12	11	9.8
3	5.9	5.3	30	68	18	27	27	15	15	11	13	9.4
4	5.7	2.4	46	31	17	26	21	17	14	11	93	9.0
5	4.1	3.9	56	24	16	24	20	16	14	11	15	9.0
6	4.0	2.1	31	21	16	23	21	15	14	11	12	9.9
7	5.4	3.3	104	19	61	23	28	40	14	11	15	8.9
8	5.0	3.4	37	18	53	20	23	15	14	10	12	8.6
9	4.9	3.4	25	17	20	19	21	15	14	10	11	8.8
10	4.1	3.6	23	16	19	20	23	26	15	10	10	8.8
11	5.2	4.0	20	16	17	23	20	54	15	11	11	9.9
12	5.1	4.1	17	16	16	28	20	33	14	11	12	9.8
13	4.5	3.1	16	15	16	23	19	18	14	10	10	8.6
14	4.5	3.7	15	30	15	21	18	18	13	10	10	9.9
15	4.5	4.1	15	17	15	18	21	73	13	10	10	8.9
16	4.1	3.7	15	14	15	17	20	29	14	11	9.8	8.4
17	4.5	4.1	15	14	15	17	18	21	14	10	11	8.4
18	4.1	5.1	13	14	14	16	17	19	13	9.8	9.9	8.1
19	3.9	3.9	13	14	14	16	18	19	13	9.9	9.6	9.6
20	3.8	3.3	12	16	14	19	48	17	13	9.8	9.6	8.3
21	3.9	3.2	12	14	14	42	33	17	13	9.6	12	8.9
22	3.9	3.3	11	34	14	27	20	17	13	9.5	9.9	8.5
23	3.8	3.7	11	71	14	37	18	17	13	9.2	10	12
24	3.8	3.7	11	19	14	25	17	16	13	9.2	10	9.7
25	3.8	4.2	10	46	13	24	17	16	12	9.0	10	8.8
26	3.8	3.5	10	28	71	26	25	16	12	9.5	12	8.4
27	4.1	3.3	10	17	170	30	17	15	12	9.4	11	8.6
28	5.3	3.5	13	16	46	23	16	15	12	11	10	8.1
29	3.7	141	10	16	31	26	16	15	12	9.2	10	9.0
30	2.6	97	33	16	---	40	16	15	12	9.2	10	10
31	4.5	---	40	16	---	24	---	15	---	9.3	9.6	---
TOTAL	133.7	339.2	761	872	788	788	640	665	404	315.6	418.4	273.6
MEAN	4.31	11.3	24.5	28.1	27.2	25.4	21.3	21.5	13.5	10.2	13.5	9.12
MAX	5.9	141	104	158	170	55	48	73	15	12	93	12
MIN	2.6	2.1	10	14	13	16	16	15	12	9.0	9.0	8.1
AC-FT	265	673	1,510	1,730	1,560	1,560	1,270	1,320	801	626	830	543

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	7.32	10.4	11.7	14.6	12.2	13.0	11.9	10.5	8.38	7.42	7.06	6.91
(WY)	(1983)	(1987)	(1988)	(1988)	(1979)	(1982)	(1989)	(1981)	(1980)	(1982)	(1982)	(1982)
MAX	16.8	29.6	37.2	53.4	35.9	34.3	49.1	23.0	25.7	19.9	24.0	16.9
(WY)	(1985)	(2000)	(2002)	(1977)	(1978)	(1978)	(2001)	(2001)	(2000)	(2001)	(2001)	(2001)
MIN	2.91	3.29	4.02	4.05	3.83	4.03	3.82	3.44	2.65	2.75	2.89	2.27

HAWAII, ISLAND OF OAHU

16272200 KAMOOALII STREAM BELOW LULUKU STREAM NEAR KANEOHE—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1977 - 2004
ANNUAL TOTAL	2,804.4	6,398.5	
ANNUAL MEAN	7.68	17.5	
HIGHEST ANNUAL MEAN			10.2
LOWEST ANNUAL MEAN			22.0
HIGHEST DAILY MEAN	141	Nov 29	4.32
LOWEST DAILY MEAN	2.1	Nov 6	2001
ANNUAL SEVEN-DAY MINIMUM	3.2	Nov 4	
ANNUAL RUNOFF (AC-FT)	5,560	12,690	723
10 PERCENT EXCEEDS	12	30	Jan 1, 1988
50 PERCENT EXCEEDS	4.5	14	Oct 10, 1984
90 PERCENT EXCEEDS	3.3	4.1	Oct 10, 1984
			7,410
			16
			7.0
			3.8